

FY2018 Environmental Activities Report

* Scope: Hitachi Transport System and its consolidated domestic group companies (21 firms)

No	Objective	Action Plan	FY 2018 (see Note 1)	
			Target	Performance
Compliance of laws and ordinances (including regulations)				
1	Prevent global warming	Reduce per-unit energy consumption for buildings	4% reduction to compared to FY2014	+0.9%
2	Promote resource recycling	Appropriately manage waste	Firmly promote waste treatment compliant with the applicable laws and ordinances	Carried out the stated goal
3	Increase environmental control levels	Observe applicable laws and ordinances	Correct handling to comply with relevant laws and regulations related to CFCs, PCBs, septic tanks, automobiles, etc.	Carried out the stated goal
Reduction of environmental burden				
4	Prevent global warming	Improve vehicle mileage by vehicle type (reduce CO2 emissions) [compared to FY2014] Fuel consumption by vehicle type (km/L) (Large, medium and small)	+4.0%	+1.2%
		Reduction of overall CO ₂ emissions (Group total)	—	▲1.5%
		(Group total) Total CO ₂ emissions in fiscal 2018; 127,561t. CO ₂ emissions per building floor space unit ;26.2kg/m ² (Breakdown of total CO ₂ emissions by group headquarters' areas of jurisdiction) 1) East Japan Area HQ Group ; 37,867t 2) Metropolitan Area HQ Group ; 13,550t 3) Midland Japan Area HQ Group ; 10,923t 4) West Japan Area HQ Group ; 30,210t 5) Main Head Office ; 28,480t 6) Other Group Companies ; 6,531t		
5	Promote modal shift	Promote modal shift	New client which wrok on differentiation form competitive, precision instruments, recyclable resources etc and promote development of exsiting customer new routes	Implemented railroad modal shift of precision instrument, etc. (see Note 2 1,2)
6	Promote introduction of LED lighting fixtures	Promote introduction of LED lighting fixtures	Full use of LED lighting in new buildings Switching from existing mercury or fluorescent lamps	Carried out the stated goal

7	Promote resource recycling	Improve the recycling rate (see Note 3)	99%	99.4%	
8		<p>(Group total) Waste generated in fiscal 2018 ; 30,527t (Breakdown of total waste generated by group headquarters' areas of jurisdiction)</p> <p>1) East Japan Area HQ Group ; 8,824t 2) Metropolitan Area HQ Group ; 1,479t 3) Midland Japan Area HQ Group ; 2,820t 4) West Japan Area HQ Group ; 8,311t 5) Main Head Office ; 6,883t 6) Other Group Companies ; 2,210t</p>	<p>(Group total) water usage ; 340,129m³ (Breakdown of water usage by Group headquarters' areas of jurisdiction)</p> <p>1) East Japan Area HQ Group ; 113,209m³ 2) Metropolitan Area HQ Group ; 37,201m³ 3) Midland Japan Area HQ Group ; 14,930m³ 4) West Japan Area HQ Group ; 83,267m³ 5) Main Head Office ; 46,387m³ 6) Other Group Companies ; 45,135m³</p>	<p>(Breakdown of per-unit water usage by Group headquarters' areas of jurisdiction)</p> <p>1) East Japan Area HQ Group ; 0.094m³/m² 2) Metropolitan Area HQ Group ; 0.088m³/m² 3) Midland Japan Area HQ Group ; 0.052m³/m² 4) West Japan Area HQ Group ; 0.097m³/m² 5) Main Head Office ; 0.081m³/m² 6) Other Group Companies ; 0.229m³/m²</p>	<p>reduce per-unit water consumption(see Note 4)</p> <p>1% reduction compared to the previous year</p> <p>▲1.6%</p>
9		Raise green purchasing percentages (see Note 5)	90%	88.3%	
10	Boost environmental actions for logistics services	Replace vehicles with eco-friendly ones having better environmental performance (new model eco-friendly vehicles) (see Note 6)	(Compare eco-friendly vehicles)100%	100%	
11		Continue to promote eco-friendly driving (Implemented to continue eco-friendly driving re-education)	(Compare new model eco-friendly vehicles)92%	93%	
12	Preserve biodiversity and ecosystems	Protect forest resources	Group owner drivers (all)	100% Implemented	
13	Promote communication on the environment	Reduce copy paper consumption by 1% or more compared with the previous year		▲2.4% (Equivalent to A4 paper)	
14		Enhance communication with employees (*environmental enlightenment activities) 1) Provision of information about significance and current state of environmental activities 2) Improvement of environmental knowledge	Distribute environmental information for employees	Carried out the stated goal	
15		Continue to carry out social action projects on the environment	Be actively involved in clean-up activities outside your location Participate in the Light-Down Campaign advocated by the Ministry of the Environment (twice a year)	Participation in clean-up activity around our work place and in the area, implement lights-off on the summer solstice and the Star Festival, install green wall, etc.	
16	Raise environmental awareness	Implement more public relations projects on the environment (Improve Information disclosure)	Apply for environmentally relevant awards, release environmental ads, disclose information, etc.	Winning 3 awards from groups outside the company (see Note 2), information disclosure on the website	
16	Raise environmental awareness	Boost attendance for e-learning courses on the environment	95%	99.8%	

Education & communication

Environmental management				
17	Increase environmental control levels	Establish an "Environmental Emphasis Theme" to facilitate environmental activities	(Once per half year) Implemented	Carried out the stated goal (392 locations)
18		Use the "Energy-saving Inspection Sheet" to promote improved operations	(Once per half year) Implemented	Carried out the stated goal (282 locations)
19		Promote environmental management through the environmental business operation system "Eco-Stage"	Undertake activities led by Main Office [Green Logistics Promotion Department]	Acquired "Eco-Stage 2" certification in FY 2017
20		Promote the issuing of "electronic manifesto" on industrial waste	100%	100%

Note 1: The figures are on a consolidated Hitachi Transport System Group basis

Note 2: Awards from groups outside the company .

- 1) 19th Logistics Environment Award, Logistics Environmental Impact Reduction Technology Development Award
: Hosted by Japan Association for Logistics and Transport.
Subject: Promoting the reduction of environmental impact by expanding the modal shift in precision equipment transportation.
- 2) 2018 Excellent Business Entities Working on Modal Shift: Award for Excellent Business Entities (Effective use category)
: Hosted by Japan Association for Logistics and Transport.
Subject: From Tokyo to the Hokkaido and Osaka, Modal shift in supplies for stores.
- 3) Japan Packaging Contest 2018 Large and Heavy Duty Packaging Category Award : Hosted by Japan Packaging Institute.

Note 3: Recycling Rate = (Reuse Amount + Recycling Amount + Heat Recovery Amount) / Total Emissions

Note 4: per-unit water consumption (water usage per total floor space) .

Note 5: Green Purchasing Rate: the ratio of office supplies purchased at the e-sourcing MALL (an electronic purchasing system) that are environmentally-friendly products .

Note 6) New eco-car categories: Compressed natural gas vehicles, hybrid vehicles, electric vehicles, liquefied petroleum gas (LPG) vehicles (including dual fuel use), "Fuel-efficient vehicles (2015 fuel efficiency standards)" and "Low-emission vehicles (2005 regulations)" recognized as such by the national government, "Post new long-term regulation vehicles (2016 regulations), fuel cell vehicles, and biofuel vehicles.